

1 1. Apparatus for cutting a food item into portions and then inserting dividers
2 between its adjacent portions, comprising:
3 a cutting blade having a cutting edge that is capable of cutting the food item;
4 a horizontal platform for supporting a divider sheet;
5 means for positioning a divider sheet upon the horizontal platform;
6 means for driving the blade in a downward movement so that its cutting edge will
7 engage the exposed upper surface of the divider sheet; and
8 means for creating a gap in the horizontal platform directly beneath the blade
9 edge while concurrently driving the blade even further downward so that the divider
10 sheet will then fold neatly along a predetermined fold line.

1 2. Apparatus as in claim 1 wherein the cutting blade is capable of cutting the food
2 item while being ultrasonically vibrated, and
3 which further includes means for selectively applying ultrasonic energy to the
4 blade.

1 3. Apparatus for folding a divider sheet neatly along a predetermined fold line,
2 comprising:
3 a pair of opposed, horizontally reciprocable cams adapted to cooperatively form a
4 flat upper surface;
5 control means for moving the cams into abutting engagement so that their upper
6 surfaces provide a continuous horizontal support base for a divider sheet;
7 means for positioning a divider sheet upon the support base with its predetermined
8 fold line aligned with the abutting surfaces of the two cams;
9 means for driving a blade down upon the upper surface of the divider sheet to
10 engage its predetermined fold line;
11 means for slightly separating the cams so that with further movement of the blade
12 the divider sheet will then start to become folded along its predetermined fold line; and
13 means for further separating the cams so that with still further downward
14 movement of the blade the divider sheet may complete its folding movement.